

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents  
United States Patent and Trademark  
Office  
Box PCT  
Washington, D.C.20231  
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 14 April 2000 (14.04.00)	
<b>International application No.</b> PCT/EP99/06377	<b>Applicant's or agent's file reference</b> PD990039
<b>International filing date (day/month/year)</b> 30 August 1999 (30.08.99)	<b>Priority date (day/month/year)</b> 07 September 1998 (07.09.98)
<b>Applicant</b> SCHILLER, Harald et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
09 March 2000 (09.03.00)

☐ in a notice effecting later election filed with the International Bureau on:  
\_\_\_\_\_

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No.: (41-22) 740.14.35</p>	<p>Authorized officer R. E. Stoffel</p> <p>Telephone No.: (41-22) 338.83.38</p>
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# PATENT COOPERATION TREATY

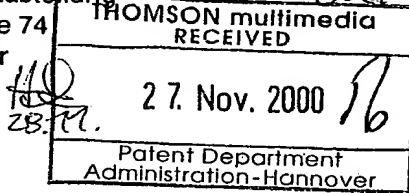
From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT/EP Rec'd 07 MAR 2001

PCT

To:

Hartnack, Wolfgang  
DEUTSCHE THOMSON-BRANDT GMBH  
Patent- und Lizenzabteilung  
Karl-Wiechert-Allee 74  
D-30625 Hannover  
ALLEMAGNE



NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT  
(PCT Rule 71.1)

Date of mailing  
(day/month/year) 24.11.2000

Applicant's or agent's file reference  
PD990039 ✓

## IMPORTANT NOTIFICATION

International application No.  
PCT/EP99/06377

International filing date (day/month/year)  
30/08/1999

Priority date (day/month/year)  
07/09/1998

Applicant  
DEUTSCHE THOMSON-BRANDT GMBH et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

European Patent Office  
D-80298 Munich  
Tel. +49 89 2399 - 0 Tx: 523656 epmu d  
Fax: +49 89 2399 - 4465

Authorized officer

Slater, S

Tel. +49 89 2399-2565



# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PD990039	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP99/06377	International filing date (day/month/year) 30/08/1999	Priority date (day/month/year) 07/09/1998
International Patent Classification (IPC) or national classification and IPC G11B27/32		

Applicant

DEUTSCHE THOMSON-BRANDT GMBH et al.

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.


2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand  09/03/2000	Date of completion of this report  24.11.2000
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Schepens, A  Telephone No. +49 89 2399 2627



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/EP99/06377

**I. Basis of the report**

1. This report has been drawn on the basis of *(substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (Rules 70.16 and 70.17).)*:

**Description, pages:**

2-20 as originally filed

1 with telefax of 09/11/2000

**Claims, No.:**

1-6 with telefax of 09/11/2000

**Drawings, sheets:**

1/4-4/4 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/EP99/06377

- ☐ the description, pages:  
☐ the claims, Nos.:  
☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Yes:	Claims	1-6
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-6
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-6
	No:	Claims	

- 2. Citations and explanations**  
**see separate sheet**

**VIII. Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:  
**see separate sheet**

Point V:

The invention as defined in claim 1 is a method for addressing a bit stream having a variable bit rate. The data stream is divided in pieces of equal bit amount (but variable duration). An address table is used in which the pieces are listed with a running number and the duration of the respective piece (less bits are required for recording of the duration rather than the absolute duration from the start point on). In order to derive the address of a piece, the durations of the pieces are accumulated till the piece in which the address (time stamp) to be searched lies. Then the index of that last piece is multiplied by the constant bit length of the pieces so as to obtain the address as a bit count. Additionally, the table contains an initial value.

The most relevant prior art (EP-A-0 729 153) merely discloses to use a table that is used for track modes and stores time codes assigned to each sector. This prior art does not disclose nor teach an address table as defined in claim 1 nor the address value determination method as defined in claim 1.

Point VIII:

The nature and relation of the various addresses defined in claim 1 is not clear. Especially it is not clear what is meant by "an address value for reaching a target address". Furthermore, it is not clear how it is decided that the "piece corresponding to said target address" is reached. As only time values are used, this implies that the target address is a time code. Hence, it appears that the accumulated delta time durations are compared with a time code. The relation of this time code with the application time stamps also defined in claim 1 is not clear. The last feature of claim 1 seems to imply that the search for the piece in question is done using the time stamps. If so, this should have been defined more clearly in claim 1; otherwise, the nature of the target address should have been defined.

The last feature of claim 1 defines that the initial time value is used to make that the bits of the delta time duration values have some relation with the time stamps. However, this initial value is not part of the delta time durations. It only is part of the accumulated delta duration value. hence, it cannot influence the delta time duration; it can only influence the accumulated value.

09/786691

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>PD990039</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP 99/06377</b>	International filing date (day/month/year) <b>30/08/1999</b>	(Earliest) Priority Date (day/month/year) <b>07/09/1998</b>
Applicant <b>DEUTSCHE THOMSON-BRANDT GMBH et al.</b> <span style="float: right;"><b>5000</b></span>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

**METHOD FOR ADDRESSING A BITSTREAM RECORDING**

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

5  
☐ None of the figures.

**Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)**

The part beginning with the words "The computation..."(line 14/15)  
until the end of the abstract is deleted.



## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 99/06377

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 G11B27/32 G11B20/12 G11B27/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 797 204 A (PIONEER ELECTRONIC CORP) 24 September 1997 (1997-09-24) * page 2, line 28 - page 3, line 4; page 12, line 25-42; page 18, line 31-49; figure 5 *	1,2,4
A	FR 2 759 471 A (SONY CORP) 14 August 1998 (1998-08-14) * page 11, line 22 - page 12, line 25; page 21, line 21 - page 25, line 12 *	1,2,4
A	EP 0 729 153 A (HITACHI LTD) 28 August 1996 (1996-08-28) column 3, line 45 -column 4, line 13; figure 2	1,2
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 December 1999

Date of mailing of the international search report

21/12/1999

Name and mailing address of the ISA  
 European Patent Office, P.B. 5618 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Mourik, J

## INTERNATIONAL SEARCH REPORT

International Application No

T/EP 99/06377

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 673 034 A (SONY CORP) 20 September 1995 (1995-09-20) page 25, line 13 -page 28, line 4; figures 34-40	1,2
A	US 5 630 005 A (ORT JEFFREY) 13 May 1997 (1997-05-13) claim 1	1,2

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 99/06377

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0797204	A	24-09-1997	JP 9251763 A	22-09-1997
FR 2759471	A	14-08-1998	JP 10222316 A	21-08-1998
EP 0729153	A	28-08-1996	JP 8235833 A	13-09-1996
			CN 1135072 A	06-11-1996
			CN 1229235 A	22-09-1999
			EP 0930618 A	21-07-1999
EP 0673034	A	20-09-1995	AU 681259 B	21-08-1997
			AU 1824595 A	18-09-1995
			BR 9505853 A	21-02-1996
			CA 2160913 A	08-09-1995
			CN 1115076 A	17-01-1996
			CN 1124062 A	05-06-1996
			EP 0696799 A	14-02-1996
			JP 7311950 A	28-11-1995
			WO 9524037 A	08-09-1995
			PL 311310 A	05-02-1996
			SG 24104 A	10-02-1996
			US 5734787 A	31-03-1998
			US 5592450 A	07-01-1997
			US 5596565 A	21-01-1997
			US 5745505 A	28-04-1998
US 5630005	A	13-05-1997	NONE	